US Army Aviation and Missile Research, Development, and Engineering Center

Multi-Mission Launcher

The Multi-Mission Launcher (MML) is a short range air defense launcher designed around an open-systems architecture. MML is designed to launch multiple missile types to defeat Cruise Missiles, unmanned aerial systems, rockets, artillery, and mortar, and will increase Soldier readiness by increasing overmatch in combat.

AMRDEC acts as the “prime contractor” for the development of MML, and will transition prototype production to Letterkenny Army Depot (LEAD). LEAD has been integrated in the AMRDEC development team through the Fabrication Readiness Reviews, providing manufacturing and producibility recommendations.

AMRDEC executed the development program by bringing together a team of more than 150 subject matter experts from across its enterprise. The MML Product Team leveraged more than 85 industry partners to assist in design and manufacturing. The collaboration is part of a larger U.S. Army effort to synchronize and integrate portfolios. AMRDEC’s role as the “prime” allows the Army to retain the technical data baseline and contributes to significant life cycle cost savings.

IMPORTANCE TO THE ARMY

The MML program is part of the Indirect Fire Protection Capability (IFPC) Increment 2-Intercept U.S. Army program. IFPC Inc 2-I system is a mobile ground-based weapon system designed to defeat unmanned aircraft systems, cruise missiles, and rockets, artillery, and mortars. Mounted on a medium tactical truck, the launcher can rotate 360 degrees and elevate from 0 to 90 degrees. It consists of three clip assemblies; a single clip assembly will be capable of housing five interceptors and/or sleeved systems, and utilize an MML common rail. MML will interface to the Integrated Air and Missile Defense Battle Command Station System Engagement Operations Center via radio. The truck will also pull a trailer that has a missile data link to communicate to interceptors in-flight, and an Army standard 60 kW generator to power the system while emplaced.

OUTLOOK FOR THE FUTURE

AMRDEC will provide eight MML prototypes through the Engineering and Manufacturing Development acquisition phase, six of which will be assembled by Letterkenny.

"For the first time we can put a piece of equipment in the field that can shoot more than one bullet. That capability will allow us to reach out further and protect our troops at a greater distance and it will allow us to optimize how we do that on the battle space." - Brig. Gen. L. Neil Thurgood, Program Executive Officer, Missiles and Space

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